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REQUIRED OPERATIONAL CAPABILITY (ROC) NUMBER LOG 161
FOR FMF CHAPLAINS FIELD SUPPORT EQUIPMENT(U) MARINE
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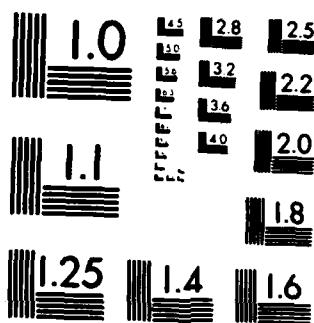
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DEPARTMENT OF THE NAVY
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Subj: Required Operational Capability (ROC) No. LOG 1.61 for FMF Chaplains Field Support Equipment

Ref: (a) MCO 3900.4B

Encl: (1) ROC NO. LOG 1.61 for FMF Chaplains Field Support Equipment

1. This letter establishes and promulgates ROC No. LOG 1.61 for FMF Chaplains Field Support Equipment. The ROC has been developed in accordance with the reference and is contained in the enclosure.

2. The Commanding General, Marine Corps Development and Education Command (Director, Development Center) is the Marine Corps point of contact for the development efforts pertaining to FMF Chaplains Field Support Equipment.

Eugene B. Russell

Eugene B. RUSSELL
DEPUTY CHIEF OF STAFF FOR RD&S

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 MCLNO, NOSC, San Diego, CA 92152 (1)
 MCLNO, Op Test & Eval Agency, 5600 Columbia Pike, Falls Church, VA 22041 (1)
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 Dir, MCOTEA, Quantico, VA 22134 (2)

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 DC/S Oper & Plans (DMO-RQR) DA, Washington, DC 20310 (2)
 Chief of Eng, DA, Rm 1E668, The Pentagon, Washington, DC 20310 (2)

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 Cmdt, Headquarters, U.S. Army Signal School, Ft. Gordon, GA (1)
 30905
 Cmdr, USA, MatDevCmd & Readiness, 5001 Eisenhower Ave, (1)
 Alexandria, VA 22304
 Cmdr, USA, R&D Cmd, Natick, MA 01760 (Attn: DRXNM-EM) (1)

Navy

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CO, Naval Submarine Medical Research Lab, Naval Submarine (1)
 Base, New London, Groton, CT 06340
 OIC, Annapolis Lab, NavShip R&D Ctr, Naval Station, (1)
 Annapolis, MD 21402
 OIC, USN Biosciences Lab, NavSupCtr, Oakland, CA 93401 (1)
 MGR, NARDIC, 5001 Eisenhower Ave, (Rm 8558) Alexandria, (2)
 VA 22333
 MGR, NARDIC, 1030 E. Green St, Pasadena, CA 91106 (2)

Air Force

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**REQUIRED OPERATIONAL CAPABILITY (ROC) NO. LOG 1.61
FOR FMF CHAPLAINS FIELD SUPPORT EQUIPMENT**

1. STATEMENT OF REQUIREMENT. The Marine Corps has an urgent requirement for field equipment that will enable Fleet Marine Force Chaplains to administer Command programs of religious ministries by meeting the religious, spiritual, moral and ethical needs of Marines in combat. In administering a program of religious ministry, a Chaplain must be able to respond immediately to rapidly changing battlefield situations. The Marine Air Ground Task Force (MAGTF) organizations for combat require that Chaplains be able to support Marine units under a multitude of mission profiles and climatic extremes. The IOC for these items is FY 1984.

2. THREAT AND OPERATIONAL DEFICIENCY

a. Threat. Not applicable.

b. Operational Deficiency. The current Chaplain's equipment, devised in the early 1960's by the U.S. Army, is extremely bulky and heavy and is not compatible with the rapid mobility of MAGTFs. This equipment is not waterproof, nor are consumable items maintained in containers that are capable of being decontaminated. In addition, the Chaplain's equipment is cumbersome and is not adaptable to the individual load carrying system. Furthermore, it was not designed to withstand the climatic extremes of Marine operations, and it does not meet current camouflage requirements. The existing religious resources and worship aids are limited in scope and do not reflect or support the wide diversity of the religious affiliations of Marines.

3. OPERATIONAL AND ORGANIZATIONAL CONCEPTS

a. Operational Concepts. The Chaplain's equipment will be used to assist FMF Chaplains in administering command/unit programs of religious ministry.

b. Organizational Concept. The Chaplain's equipment will replace the current equipment at all organizational levels.

c. Training and Support Requirements.

(1) No formal specialized training will be required by the user.

(2) The equipment will require no maintenance other than normal care and cleaning.

(3) Introduction of this equipment will require no additional manpower.

4. ESSENTIAL CHARACTERISTICS

a. General. Chaplain equipment will:

- (1) Conform to present Marine Corps standards of camouflage.
- (2) Be made of durable materials.
- (3) Be made to withstand climatic extremes (-25°F to 120°F).
- (4) Be waterproof when required (carrying case).
- (5) Weigh no more than:
 - (a) 10 pounds - Field Worship Set
 - (b) 2oz each - Field Resource Worship Book
 - (c) 3oz each - Cassette Tapes
 - (d) 36 pounds - Metal Mount-out Box
 - (e) 7 pounds - Chaplain Combat Kit
- (6) Be attachable to the individual load carrying system. The weight of attached components is not to exceed 10 pounds, will not interfere with carrying individual's range of motion, nor extend past shoulder width of the carrying individual. All remaining items are to be hand portable.
- (7) Ensure that all items and kits are designed as compactly as possible.
- (8) Ensure that consumables are kept in containers that are capable of being decontaminated. Nuclear survivability is not required because a sufficient density will exist on the battlefield to allow timely replacement of damaged or destroyed items.

b. Field Worship Set

- (1) Portable Cassette Tape Recorder characteristics:
 - (a) Weight not to exceed 3 pounds including batteries.
 - (b) Color subdued.
 - (c) Operate on "AA" size dry cell batteries (mandatory).

(d) Operate on 110V and 220V with 50/60 cycle switch (internal power adapter).

(e) Minimum power - 25 watts.

(f) Size compatible with attachment to the Chaplain's Combat Kit.

(g) Integral tape counter.

(h) Input for recording from self-adjusting microphone, radio, phonograph and tape recorder.

(i) Output for external speaker and earphone.

(j) Self-contained and/or external microphone.

(2) Altar - Portable, Folding characteristics:

(a) Required minimum size assembled-40" (height) X 20 1/2" (width) X 14 1/2" (depth). Desired size-40" (height) X 36" (width) X 18" (depth).

(b) Maximum size folded 2 1/2" (height) X 14 1/4" (width) X 7 1/4" (depth).

(c) Color: olive green (OG).

(d) Support a minimum of 20 pounds.

(e) Stable enough to support a chalice of wine.

(3) Altar Hangings characteristics:

(a) Two reversible hangings, one red and green, and one purple and white, to fit the portable altar.

(b) Machine washable and dryable.

(c) Self-adhering to altar (use of velcro acceptable).

(4) Carrying Case characteristics:

(a) Large enough to carry the following items:

1 Cassette tape recorder.

2 Four music tapes.

3 Altar hangings.

4 25 Field Worship Books.

- (b) Case strong enough to protect components.
- (c) Attachable to individual load carrying equipment and portable by hand or shoulder strap.
- (d) Waterproof.
- (e) Color - woodland pattern camouflage.

c. Field Resource Worship Books characteristics:

(1) Reflect the religious, spiritual, moral and ethical needs of various faith groups.

(2) May include, but will not be restricted to the following entries:

- (a) Creeds/Statements of Faith.
- (b) Hymns/Songs.
- (c) Prayers.
- (d) Liturgy/Order of Worship.
- (e) Eucharist/Holy Communion/Festival Days/Rituals.
- (f) Scripture/Psalm Readings.
- (g) Responses/Litanies.
- (h) Memorial Service (outlines).
- (i) Guidelines and suggestions for use by Layleader and Laymen as well as Chaplains.

(3) Material Characteristics of Books.

- (a) Waterproof patterned camouflage cover (soft-backed).
- (b) Waterproof pages.
- (c) Size 5" (height) X 4" (width) X 1/4" (thick) (must fit utility pocket).
- (d) Staple binding desired.
- (e) Blank pages for individual's input.
- (f) Print large enough to allow reading without eye strain.

d. Cassette Tapes for Field Worship Books characteristics:

(1) It is planned that master tapes will be contracted through the Naval Photographic Service.

(2) Individual cassette tapes will be dubbed from master tapes at local commands by Training Audio Visual Support Centers.

(3) Music will coordinate with hymns/songs of Field Worship Resource Books.

(4) Supplemental taped music to the Field Worship Resource Books may be developed containing preludes, postludes, seasonable worship music and special worship services.

(5) Tapes must be of sufficient quality for repeated use (52 playings).

e. Metal Mountout Boxes. To containerize Chaplain Kits, administrative and mountout supplies the mountout boxes:

(1) Must be waterproof.

(2) Will have capacity of 4-6 cubic feet.

(3) Will use type classified items.

(4) Will be capable of being locked.

d. Chaplain's Combat Kits. Will include required ecclesiastical items of various faith groups necessary to conduct Divine Worship. The carrying cases will:

(1) Be large enough to carry required items of various faith groups.

(2) Be strong enough to protect components.

(3) Be waterproof.

(4) Be compatible with individual load carrying system.

(5) Have handle(s) or other devices so the case can be hand or shoulder carried.

5. OTHER WARFARE AREAS CONCERNED. The introduction of this equipment will primarily affect Mission Area-216.3 (Land Combat Service Support).

6. RELATED EFFORT. The U.S. Army Chaplain School has initiated a program that may satisfy the requirement for the Field Worship Set. The Marine Corps Development and Education Command is closely monitoring and participating in the field testing of this set.

7. TECHNICAL FEASIBILITY, ENERGY-EFFECTIVENESS IMPACT, AND COST FORECAST

a. Technical Feasibility. The Marine Corps Development and Education Command, working with teams of Chaplains representing various faith groups, will develop FMF Chaplains Field Support Equipment that will satisfy the requirements of various faith groups. It is anticipated that most of this requirement can be satisfied by standard commercial or military stock items.

b. Energy-Effectiveness Impact. Not applicable.

c. Cost Estimate. The cost estimate developed by Chief of Naval Material estimates a cost of \$100,000 in order to meet the planned IOC of 1984. Reliance upon commercial equipment should reduce this cost considerably.

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